

This listing of the claims replaces all prior versions in the application.

Listing of Claims:

1. (Original) A multi-dose blister package having a plurality of blisters thereon and adapted for use in an inhaler, comprising:
 - a frame member having opposing top and bottom surfaces with a plurality of spaced apart gap spaces, a respective gap space configured to define at least a portion of a sidewall of a respective blister; and
 - a floor comprising a flexible material attached to the bottom surface of the frame member so that the floor extends under each gap space to define a bottom of each blister.
2. (Original) A multi-dose blister package according to Claim 1, wherein the frame gap spaces are through apertures, the package further comprising a ceiling attached to the top surface of the frame member so that the ceiling extends above each gap space to define a top of each blister.
3. (Original) A multi-dose blister package according to Claim 2, wherein the ceiling comprises a flexible material having sufficient structural rigidity to be able to define a plurality of spaced apart projections therein, and wherein the ceiling comprises a plurality of spaced apart projections therein configured to be aligned with the frame member through apertures so that a respective projection overlies a corresponding frame member aperture and defines the top of a respective sealed blister.
4. (Original) A multi-dose blister package according to Claim 1, further comprising a bolus quantity of dry powder disposed in respective blisters, wherein the frame member is substantially rigid.
5. (Original) A multi-dose blister package according to Claim 2, wherein at least one of the ceiling and/or floor comprises first and second flexible layers of different materials, a

selected one of the layers comprising a flexible piezoelectric material, and wherein, in operation, the piezoelectric material underlying a target blister is configured to repeatedly flex generally upward and downward upon receipt of an electrical input.

6. (Original) A multi-dose blister package according to Claim 5, wherein the floor second layer comprises the piezoelectric material and is attached to a bottom of the floor first layer, the floor second layer further comprising a predetermined conductive pattern disposed over a first primary surface and a conductive material disposed over at least a portion of an opposing second primary surface.

7. (Original) A multi-dose blister package according to Claim 6, wherein the conductive material on the second primary surface of the second layer comprises a metallized coating disposed to cover substantially all of the second primary surface.

8. (Original) A multi-dose blister package according to Claim 6, wherein the predetermined conductive pattern on the second layer comprises a plurality of spaced apart conductive regions, each region sized and configured to substantially cover a surface area of a bottom portion of a respective blister underlying each gap space.

9. (Original) A multi-dose blister package according to Claim 8, wherein the predetermined conductive pattern further comprises at least one signal trace extending away from each region.

10. (Original) A multi-dose blister package according to Claim 8, wherein the signal trace for each blister travels toward a contact zone on the first primary surface of the second layer to allow selective electrical excitation of at least one target blister in operation.

11. (Original) A multi-dose blister package according to Claim 10, wherein the ceiling, frame member, and first layer of the floor have a circular shape when viewed from the top with respective substantially aligned center apertures that define a window to expose a portion of an upper surface of the second layer.

12. (Original) A multi-dose blister package according to Claim 10, further comprising a rotatable gear having circumferentially spaced apart gear teeth, the gear being proximate the window of the aligned center apertures and attached to the frame member so that the blister package rotates with the gear.

13. (Original) A multi-dose blister package according to Claim 1, wherein neighboring pairs of blisters comprise a different dry powder held therein.

14. (Original) A multi-dose blister package according to Claim 1, wherein neighboring pairs of blisters are positioned closer to each other than non-neighboring blisters, and wherein each blister of a pair of neighboring blisters includes a different dry powder held therein.

15. (Original) A multi-dose blister package according to Claim 13, wherein the neighboring blisters are sized and configured to, in operation and in position in an inhaler, release their dry powders substantially concurrently to a user upon inhalation.

16. (Original) A multi-dose blister package according to Claim 2, wherein the frame member has a thickness that is greater than the thickness of the floor and ceiling combined.

17. (Original) A multi-dose blister package according to Claim 1, wherein the frame member is a laminated structure having increased structural rigidity relative to the floor and/or ceiling.

18. (Original) A multi-dose blister package according to Claim 1, wherein the frame member is a unitary polymer structure having increased structural rigidity relative to the floor.

19. (Original) A multi-dose blister package according to Claim 1, wherein the frame member has a primary upper surface that defines a ceiling above the gap spaces.

20. (Original) A multi-dose blister package according to Claim 1, further comprising a generally planar sealant layer disposed over the frame member to define a ceiling.

21. (Original) A multi-dose blister package according to Claim 20, wherein the ceiling comprises a piezoelectric polymer.

22. (Original) A multi-dose blister package according to Claim 2, wherein the ceiling is moisture resistant and comprises foil and a polymer.

23. (Original) A multi-dose blister package according to Claim 7, wherein the second layer of the floor comprises a piezoelectric polymer.

24. (Original) A multi-dose blister package according to Claim 1, wherein opposing sidewalls of a respective gap space are inclined so that the sidewalls taper farther away from each other from a bottom to top portion thereof.

25. (Original) A multi-dose blister package according to Claim 24, wherein the sidewalls have substantially constant angles of inclination of between about 20-40 degrees from a bottom to a top portion thereof.

26. (Original) A multi-dose blister package according to Claim 7, further comprising:

a power source;
an input signal generating circuit that is in communication with the power source and is configured to provide electrical input to selectively flex the floor of a target blister; and
computer readable program code that is in communication with the signal generating circuit and is configured to define at least one predetermined non-linear vibration input signal selected to represent *a priori* flow characteristic frequencies of the dry powder held in the blisters.

Claims 27-31 (Canceled).

32. (Original) A method for fabricating a multi-dose blister package having a plurality of blisters thereon and adapted for use in an inhaler, comprising:

providing a generally rigid frame member having opposing top and bottom surfaces with a plurality of spaced apart gap spaces, a respective gap space configured to define at least a portion of a sidewall of a respective blister;

placing a meted quantity of dry powder in each of the blisters; and

sealing a floor comprising a flexible material to the bottom surface of the frame member so that the floor extends under each gap space to define a bottom of each blister.

Claims 33-61 (Canceled).

62. (Original) A multi-dose dry powder package comprising:

a polymeric frame body comprising a plurality of spaced apart drug apertures;

a meted quantity of dry powder medicament held in each of the drug apertures; and

a detachable floor attached to the frame body apertures.

63. (Original) A multi-dose dry powder package according to Claim 62, wherein the polymeric frame body has an upper primary surface that defines a generally rigid ceiling over the plurality of spaced apart drug apertures.

64. (Original) A multi-dose dry powder package according to Claim 62, wherein the spaced apart apertures are through apertures, the package further comprising a sealant layer disposed over the frame body to define a ceiling over each of the apertures.

65. (Original) A multi-dose dry powder package according to Claim 62, wherein the spaced apart apertures comprise two generally concentric rows of circumferentially spaced apart apertures.